

App F IX 4

Previous References

(1933-34
ml)

File No 280-33

Serial Nos 1, 2, 3, 4;

Later References

Ac 264-35-1
Ac 104-36(1)

GENERAL AND REVENUE SECRETARIAT

Serial Nos Five

Part B for March 25

SUBJECT

Claim of Gilbert Fowler for remuneration
in connection with Comptroller making in Singapore

DR GILBERT FOWLER



Me 280-33-1 CENTRAL HOTEL
BANGALORE
S INDIA
6th June, 1934

S P Rajagopalachari Esq B A , B L
Member of Council,
Mysore Government Offices,
Bangalore

5718
L

Dear Mr Rajagopalachari,

Following my personal mention
of the subject to you on the 2nd instant, I now send for
your information a copy of my letter of May 29th to Mr
B T Kesava Iyengar, together with a copy of the account
which I have submitted for my services in connection with
the conversion of Mysore refuse into Compost

I leave the matter in your hands for your kind
and early consideration

Yours sincerely,

Gilbert J. Fowler

RJ
7/6/34

4th June 1934

JM

No such reference has yet been received in
the L S G Por

1) Q. L. J.
2) with
Compliments

S/P
7/6

2) Aug 24/34 - here 2
4 Nov, 1st Committee
with personal letter

DR GILBERT FOWLER

Copy

CENTRAL HOTEL
BANGALORE
S INDIA

May 29th 1934

B T Kesava Iyengar Esq B A
President,
City Municipal Council,
Mysore

Dear Mr Iyengar,

I thank you for your note No G T 2176
of the 25th inst kindly suggesting the possibility of my
being in Mysore in the near future

Unfortunately I am detained in Bangalore during
the first week in June, having promised to be on hand in
connection with some important Committee work Then come
the birthday festivities, which brings us to the middle of
June I have therefore decided to send you herewith a note
of the fee which seems to be reasonable to charge for my
services in connection with the compost work, viz , Rs 2,500/-

It represents simply the value of my professional
time at my normal rate, viz , Rs 200/- per diem Details
can be furnished if necessary Considering the returns
which the process has paid to the Municipality and especially
to the Agricultural Dept and through them to the Sugar
Factory, I do not think that anyone can consider the fee
excessive

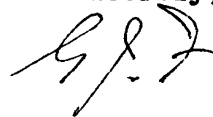
I do think, and this was something that I would
have asked your opinion about, that the fee should be payable
in equitable proportion by the Mysore City Municipality and
the Mysore Government, and I have made out the account in
their joint names

I shall be seeing Mr Rajgopalachari on other
business during the next week and if you have no objection
I can sound him about it

Hoping that the compost work is still going on
satisfactorily

I am,

Yours sincerely,



Enc Account

-Copy-

May 29th 1934

Dr Gilbert Fowler

in account with

The Mysore City Municipality and The Agricultural
Department of the Mysore Government

June 1931 to August 1932

To advice, visits, reports and attendance at
Committees re production of 'Compost' from
Mysore City waste materials -
(Rupees two thousand five hundred only)

Rs 2,500/-

General and Revenue
Secretariat

File No

of 193

[App F 118

Serial
No



NOTE: *for* Sheet

Submitted with a draft for approval
83 11/11 5 Issue
8/16/34 11/16/34 11/16/34
Request him to state how the matter stands

5710 5781

File No

288 of 1933

General and Revenue
Secretariat

Letter no Q 7 2228 A 11/6/34 from
the District Magistrate, stating that no
references are available in his office to
show what the nature of consultation
with Dr. Fowler was nor the advice given
by him to the municipality

6 Submitted with reference to para

RS AM
17/6

(Chief Secy) 7 June 1934

8 I am afraid the claim is
unadmissible

2nd mem

9 12/6/34
18/6/34

10 Please put up the other
letter recd from him

10/6 R2
18/6/34

11 This letter which referred to has not been received here

8-29/6

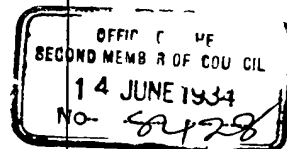
Please send this to the D.A. to the Member

12 for putting up the letter required by the member

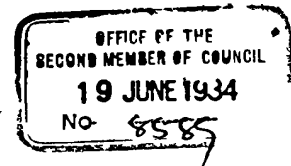
13 The letter since recd is put up
to see if there is any case

14/6
at all

15/6
18/6/34



CHIEF SECRETARY
13 JUNE 1934



R2
14/6/34

Serial
No2
Q

P.U. D

14) The only communications in which a reference is made to the remuneration payable to Dr Fowler are, (1) Dr Fowler's letter of 10.10.1931 to Mr Coleman & (2) Mr Thelwitzer's letter of 12.4.1931 to Mr T. S. Rama Iyer. In the latter a suggestion was made that Dr Fowler might be retained as a technical adviser on a salary commensurate with the profits to be derived by the City & in the former Dr Fowler said that he would then raise no question of remuneration, that the question should receive consideration if in the future considerable profits should arise from the sale of compost, and that he recognized that any decision in the matter must rest with the Municipal Council. It is not clear if this matter was placed before the Municipal Council at all by the President & if so what decision was arrived at. The President, however, stated that no references are available to show what the nature of consultation with Dr Fowler was & what advice was given to him by the Municipality.

15) The President's attention may be drawn to Mr Thelwitzer's letter of 12.4.31 to Mr Rama Iyer & he might be asked to ~~see if~~ find out what action was taken thereon & what there has been any commitment to give remuneration to Dr Fowler.

Chief Secy)

17/7

16) The Mayor says that I may perhaps point out that there is the question of dropping the Compost business altogether as it does not pay.

20 JULY 1934

OFFICE OF THE
HON. MEMBER OF COUNCIL
27 JULY 1934

NOTE

CONFIDENTIAL

23/7/34

Claim of Dr Fowler for remuneration in
 25781 5781 3774. Connected with
 Comfort

File No

280 of 1933

General and Revenue
 Secretariat

submitted with a draft for approval

7/11/37

20 Issue
 28/7

Issued with 765 of 1/8/34 to President of the
 Mysore Forward copies of correspondence and requests
 him to find out what action was taken there and
 whether there has been any commitment on the
 part of the Municipality to give remuneration to
 Dr Fowler

Letter No 9 T 1434 dated 20-2-35 from the
 President City Municipal Council, Mysore stating that
 there was no commitment on the part of the
 Municipality to give any remuneration to Dr
 Fowler and that the question of remuneration
 should arise only where the manufacturing of
 Comfort proves to be a profitable concern
 which it is not at present

2/ Submitted for orders A reply is due to
 Dr Fowler in the matter

Rm/Am
 22/2

chuffrey)

Am
 27/2

I do not see why Govt should
 involve themselves in this matter. It is
 really a matter between the Municipality &
 Dr Fowler

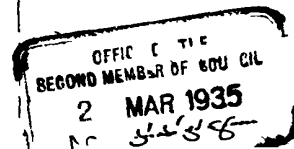
11/2 members

I agree I shall



Am/Am
 2/3

on
 27/2



3774

General and Revenue
Secretariat

File No

of 193

[App F III-2

Serial
No

Letter no 1202
vide copy
placed in Me-
st

5556

CHIEF
14 MAR 1935
V
B
14/2

however I send a copy of the Pres's
letter to the 28th Feb^{ry} to him in
reply to the numerous letters & talks
which he favours me
with

For
9/3

12m
12/3

Am
13/3

NOTE—Contn Sheet

File No

of 193

General and Revenue
Secretariat

Extn
GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

General and Revenue Secretariat

Dated Bangalore 9th June 1934

No *L 8804/2nd 280-33-2*

From

Extn
The Chief Secretary to the Government of His Highness the Maharaja of Mysore

To

The President
City Municipal Council
M y s o r e

Sir

I am directed to forward herewith a copy of letter dated 6th June 1934 addressed to the Second Member of Council by Dr Gilbert Fowler regarding the remuneration payable to him for services etc rendered in connection with the manufacture of compost from Mysore refuse and to request you to state how the matter stands

A very early reply is requested

I have the honour to be
Sir,
Your most obedient servant

Asulebar
7/2 Chief Secretary to Government

ACH 2

SUBJECT

Diary No of letter replied to L2718

General and Revenue Secretariat

()
the 193

Date of issue 9 6 34

Signed by D. A. S. R.

List of enclosures

Copied by

Examined by

Section *and*
File No 280-33
Serial No 2

No L 8804 *Enone*

To The President

city municipal council
Myoong

Sir

I am directed to forward
herewith a copy of letter dated 6/10/34
addressed to the second member general
by ~~from~~ Dr Gilbert Fowler regarding
the remuneration payable to him
for services etc rendered in connection
with the manufacture of compass
in the ~~discharge~~ *my office*
~~materials~~ *refuse* and to request you to state
how the matter stands at present.
A regular report required
I have etc

for chief Secy to Govt

9/16

Q T 2258
2

Ml 280-33-3

5781
OFFICE OF THE PRESIDENT

CITY MUNICIPAL COUNCIL MYSORE

DATED 11th June 1934

12/6/34 FROM

B T KESAVAIAENGAR ESQ B A

President City Municipal Council

M Y S O R E

12/6/34

To

The Chief Secretary to the Government of

His Highness the Maharaja of Mysore

B A N G A L O R E

Sir

With reference to your letter No L 8804/Ml 280-33-2 dated 9th June 1934 regarding the remuneration claimed by Dr Gilbert Fowler in connection with compost manufacture in Mysore I have the honour to state that no references are available here to show what the nature of consultation with Dr Fowler was nor the advice given by him to the Municipality. The only correspondence between him and myself on the subject was in September 1933 when he asked me for certain information regarding compost which was furnished to him as far as it was available here and he was referred to Dr Coleman for further particulars.

Dr Fowler wrote to me also a few days ago about the question of a consultation fee and I have informed him that in the absence of any reference in support of his claim the Municipal Council will not be in a position to accept it. Copies of his letter and my reply thereto are enclosed for reference.

I have the honour to be

Sir,

Your most obedient servant

M. S. A. S.
P R E S I D E N T
• *cur*

GVN

Letter dated May 29th 1934 from Dr Gilbert Fowler Central
Hotel Bangalore to B T Kesavaiah Esq P A President City
Municipal Council Mysore

I thank you for your note No G T 2176 of the 25th inst kindly
suggesting the possibility of my being in Mysore in the near future

Unfortunately I am detained in Bangalore during the first week
in June having promised to be on hand in connection with some
important Committee work. Then come the birthday festivities
which bring us to the middle of June. I have decided to send you
herewith a note of the fee which seems to me reasonable to charge
for my services in connection with the compost work viz Rs 2500/-

It represents simply the value of my professional time at my
normal rate viz Rs 200/- per diem. Details can be furnished if
necessary. Considering the returns which the process has paid to
the Municipality and especially to the Agricultural Dept and
through them to the Sugar Factory I do not think that anyone can
consider the fee excessive.

I do think and this was something that I would have asked
your opinion about that the fee should be payable in equitable
proportion by the Mysore City Municipality and the Mysore Government
and I have made out the account in their joint names.

I shall be seeing Mr Rajagopalachari on other business during
the next week and if you have no objection I can sound him about it.

Hoping that the compost work is still going on satisfactorily.

Enc Account

Sd Gilbert J Fowler

Account

Dr Gilbert Fowler in account with

The Mysore City Municipality and the Agricultural
Department of the Mysore Government

June 1931 to August 1932

To advice visits reports and attendance at
committees re production of compost
from Mysore City waste materials -
(Rupees two thousand five hundred only)

Rs 2500/-

Copy

M. S. S. S.
President
ccru

GVN

Letter No G T 2249 dated 7th Ju 1934 from P T Yesavainegar
Esq B A President City Municipal Council Mysore to Dr G J
Fowler Central Hotel Bangalore

With reference to your letter dated 29-5-1934 stating
that you propose to prefer a claim for Rs 2 500 as consultation
fees in connection with Compost work in Mysore one half of
the above sum being payable by the Municipality and the other
half by Government I write to state that no references are
traceable here to show the nature of the consultation with you
nor the advice given by you to the Municipality

In the absence of any reference in support of the above
I regret to state the Municipal Council will not be in a position
to accept your claim

The question of compost being a profitable undertaking is
still a controversial one as I pointed out to you in one of my
previous letters

"Copy"

M. S. A. M.
President
cc in

GVL

Appendix FG—1]

SUBJECT

Diary No of letter replied to L 5781

General and Revenue Secretariat

()
the 193

Date of issue 1-8-34

Signed by M A S Rao

in connection
with cement
manufacture
in Mysore

List of enclosures

Copied by

W. S. S.
30/7/34

Examined by

Section ml

File No 288000 280-33.

Serial No 4

No L 765 Enc 2

To

The President, city mcl
Mysore ..

Sir

With reference to your letter
no. 4 7 2278 dated 11th June
34, stating that no references
are available in your office to
show what the nature of
consultation was Dr Fowler was
and what was
the advice given by him to
the municipality. I am directed
to forward herewith copy of letter
dated 11/6/34 from Dr Fowler
and its enclosures on the subject
I am ~~also~~ to make your reference

to Dr. Mieldar's letter dated 12/4/31

to Mr. Rania Dyer - and to request
you to "find out" what action was

taken ^{on} ~~thereat~~ and whether there
has been any commitment ^{on the part of the US} to give
remuneration to Dr. Fowler

I have etc

For chief Secy to Govt
M 83

General and Revenue Secretariat

No 2765/Ml 280-33-4 Bangalore Dated 30th July 1934
Sub 2

From

The Chief Secretary to the Government of His Highness
the Maharaja of Mysore

To

The President
City Municipal Council,
Mysore

Sir

With reference to your letter No G T 2278 dated the 11th June 1934 stating that no references in connection with compost manufacture in Mysore are available in your office to show what the nature of consultation with Dr Fowler was and what advice was given by him to the Municipality I am directed to forward herewith copy of letter dated the 11th June 1934 from Dr Fowler and its enclosures on the subject I am to invite reference to Mr Miel-dazies' letter dated the 12th April 1931 to Mr Rama Iyer and to request you to find out what action was taken thereon and whether there has been any commitment on the part of the municipality to give remuneration to Dr Fowler

I have the honour to be

Sir

Your most obedient servant

Amelvar
Chief Secretary to Government
J. S.

vvk 2

Letter dated the 28th October 1931 from Dr Gilbert
Fowler to Dr Leslie C Coleman, M.A , Ph D , Director of Agr
***** O:*****

In confirmation of our conversation at Mr Wieldazies' Office this morning, I would like to make it clear that I fully understand the difficulty in raising any question of financial remuneration at the present time in regard to the Compost making at Mysore

I would explain that my main interest in this investigation is with reference to possibilities in other larger towns and I am concerned therefore that the process at Mysore should be an unqualified success

At our meeting at Mysore, I thought that I had made this clear But in order that there should be no misunderstanding I would like to tell xxx Mr Rama Iyer that I shall raise no question of remuneration at present If in the future considerable profits should arise from the sale of the Compost, then it would seem fair that I should receive some consideration But I am willing to take the risk of that if the work can proceed on the lines agreed upon at the Mysore meeting

I recognize that any decision in future in regard to remuneration must rest with the Municipal Council and all that the President could do would be to make a recommendation

" Copy "

P 4

Asubvarao
Jy Chief Secretary to Government

Letter No S E 117 dated the 10th/12th April 1931
from the Rockefeller Foundation Sanitary Engineer to the Pre-
sident, City Municipal Council, Mysore

***** O *****

I happened to recall your intimation that Dr Fowler address the Mysore City Municipal Council on the formation of activated Compost from a combination of street-rubbish and night soil and on questioning Dr Fowler regarding this matter, he informed me that he will be very willing to come to Mysore for this purpose at any time you suggest. Dr Fowler is awaiting some lantern slides, illustrating the process as carried out at Cawnpore. I am sure that his address would be most enlightening to the members of the Council.

You will recall that I had given Dr Fowler full credit for the development of this process and it is no more than fair that he should share any profits derived from the process. As the process is not patented by Dr Fowler, it would be impossible for him to collect any royalties on the process, but I would suggest that he be retained as a technical adviser on a salary commensurate with the profits to be derived by the Municipality. I am sure that you and he could arrive at some satisfactory arrangement. In the meantime, I shall await an intimation from you as to the most advisable time for Dr Fowler to deliver his address.

Dr Fowler has taken a keen interest in the progress of the work at Mysore and is very enthusiastic over the interest shown by Dr Coleman. As the future of the work will depend to a large extent, upon Government's sanction for Dr Coleman's Experimental Farm near Mandya, I believe it would be advisable to approach the Chief Engineer of the Krishnarajasagara Works, on this matter. Dr Fowler and I intend seeing Mr Seshachar at the earliest opportunity.

After all the final success of the Krishnarajasagara Works

Works will depend upon the crops raised under the irrigation system and anything which would tend to increase the yield from the areas under cultivation would be well-worth consideration. I believe that if this were explained to the Dewan that we could be assured of his support.

" Copy "

P H

Asutosh Das
Chief Secretary to Government
h

ML 280-33-5
Office of the President
City Municipal Council, Mysore
Dated 20th February 1935

QT 1434

3774

From

N Krishna Iyengar Esq. , B E
PRESIDENT City Municipal Council,
Mysore

To

The Chief Secretary
to the Government of Mysore
Pangalore

GEN. REV. SECT.
23 FEB 1935
L86E

Sir,

With reference to your letter No L 765/ML 280-33-4 dated 1-8-1934, in the matter of the claim of Dr Gilbert Fowler for remuneration in connection with compost making in Mysore City I have the honour to state that from the papers available, it is seen that there was no commitment on the part of the Municipality to give any remuneration to Dr Fowler. Mr Mieldazis' letter dated 12-4-1931 to Mr Rama Iyer, would seem to have received consideration and in the result Dr Fowler wrote to Dr L C Coleman in his letter dated 28-10-31, that if in future considerable profits should arise from the sale of compost, it would seem fair that he should receive some consideration and that any decision in future in regard to remuneration must rest with the Municipal Council. The question of remuneration would, as such, arise only when the manufacture of compost proves to be considerably a profitable concern. In the present circumstances, the demand for compost has fallen down ^{the} While/sugar factory consumed 3 000 tons of compost during 1932-33, the demand for the current year is only 1 500 tons. Taking into account the consumption of 700 tons by the Agricultural Department also the total demand will be about 2,200 tons against the normal output of 3 500 tons.

The amount realisable by the sale of compost may appear to be remunerative compared with the cost of bare manufacture exclusive

sheet 2

of the cost incurred on conserving rubbish and night-soil
for the purpose If these factors are also taken into account
the manufacture of compost will not appear so much as a commercial
proposition as a utility concern The future of the enterprise
has yet to be watched before an inference can be drawn as to its
profitable nature or otherwise

I have the honour to be

Sir

Your most obedient servant

P. A. Mahalingam

PRESIDENT

MLN

MLN

Copy of letter dated the 9th March 1935 from the
Second Member of Council to Dr Gilbert Fowler, Central Hotel,
Bangalore

With reference to your letter dated the 11th June 1934,
regarding Mysore compost and the several talks we had in the
matter, I write to say that I caused enquiries to be made in
the matter. I am enclosing herewith copy of letter No G T
1434 dated the 20th February 1935 from the President, Mysore
City Municipal Council, which explains the matter from the
point of view of the Municipality

I trust you are keeping quite fit and active as ever

DR GILBERT FOWLER

CENTRAL HOTEL
BANGALORE
S INDIA

11th June, 1934

S P •Rajagopalachari Esq , B A , B L
Member of Council
Mysore Government Offices,
BANGALORE

GJF/A7 MYSORE COMPOST

Dear Mr Rajagopalachari

Further to my letter of the 6th instant, I now send herewith copy of a letter I have received from Mr B T Kesava Iyengar (D O No GT 2249 of 7th June 1934)

It would appear that the original correspondence is not now available in the Mysore Municipal Office, I therefore send for your information copies of the following letters which passed when the experiments were first started -

J J Mieldazies to T G Rama Iyer Esq B A dated
10-12th April, 1931

Dr Fowler to Dr Coleman dated 28th October 1931

Dr Coleman to Dr Fowler of 30th October, 1931

I also send a set of Data concerning the value of Nitrogen, compiled from figures supplied by Mr B T Kesava Iyengar on behalf of the Mysore Municipality and by Dr Narasimha Iyengar on behalf of Dr Coleman

Whatever may be said as to the profit derived by the Mysore Municipality there can, I think, be no doubt that the Agricultural Department has greatly benefitted

I see also from the Madras Mail (May 22nd?) that a sum of rupees one lakh is anticipated to accrue to Government as dividend from the new sugar factory I believe you agree that the availability of compost as manure for the necessary cane has helped towards this satisfactory result

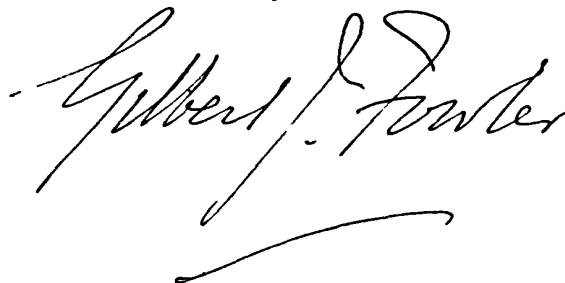
As regards the amount of my claim, while it is based on actual professional time spent (as set out in the

statement herewith) I should prefer it to be considered a lump sum fee, for general advice and assistance in this experimental work

I also spent a considerable amount of time and have been actually out of pocket (for analyses etc) in connection with experimental work in Bangalore in association with Mr Mieldazies and Mr Javaraya, prior to the work at Mysore

I think therefore that my claim may be considered reasonable and equitable

Yours sincerely,

A handwritten signature in cursive script, reading "Gilbert R. Fowler". The signature is written in dark ink and is positioned below the typed name "Yours sincerely,".

JM

- Copy -

B T Kesava Iyengar, Esq B A Office of the President,
President City Municipal Council, Mysore

D O No G T 2249

7th June, 1934

Dear Dr Fowler,

With reference to your letter dated 29-5-1934, stating that you propose to prefer a claim for Rs 2,500/- as consultation fees in connection with the Compost work in Mysore, one half of the above sum being payable by the Municipality and the other half by Government, I write to state that no references are traceable here to show the nature of the consultation with you, nor the advice given by you to the Municipality

In the absence of any reference in support of the above, I regret to state the Municipal Council will not be in a position to accept your claim

The question of compost being a profitable undertaking, is still a controversial one as I pointed out to you in one of my previous letters

Yours sincerely,

Sd B T Kesava Iyengar

To,
Dr G J Fowler,
Central Hotel,
BANGALORE

M

STATEMENT OF AMOUNTS DUE TO DR FOWLER
at normal Professional Fees
re Mysore Compost Work

<u>1931</u>	Rs
Interviews @ Rs 25/- per hour from June to November	365
Days in Mysore, 6½ @ Rs 200/- per day	1300
Correspondence and Sundries	38
	Rs 1703

<u>1932</u>	
Interviews, January to August	212 8
Two days in Mysore,	400 -
Attending 2 Committee Meetings,	100 -
	Rs 712 8

TOTAL Rs 2415-8-0
say Rs 2,500/-

JM

-Copy-

Department of Agriculture, Mysore State

Office of the Director,
Leslie C Coleman, M A Ph D
Director BANGALORE

30-10-1931

My dear Fowler,

Mieldazies and I had a long conversation with Rama Iyer yesterday and I think have got matters satisfactorily straightened up My man Gundaraj Iyengar arrives from Mysore to-morrow morning and will remain here for anything from one to two weeks depending how long we wish to keep him I would suggest your coming to my office about 12 o'clock to-morrow to discuss matters connected with starting experimental work as soon as Gundaraj returns to Mysore--also his course of training here

Yours sincerely,

(Sd) Leslie C Coleman

JM

-Copy-

Bangalore

28th October, 1931

My dear Coleman,

In confirmation of our conversation at Mr Mieldazies' Office this morning, I would like to make it clear that I fully understand the difficulty in raising any question of financial remuneration at the present time in regard to the Compost making at Mysore

I would explain that my main interest in this investigation is with reference to possibilities in other larger towns and I am concerned therefore that the process at Mysore should be an unqualified success

At our meeting at Mysore, I thought that I had made this clear. But in order that there should be no misunderstanding I would like you to tell Mr Rama Iyer that I shall raise no question of remuneration at present. If in the future considerable profits should arise from the sale of the compost, then it would seem fair that I should receive some consideration. But I am willing to take the risk of that if the work can proceed on the lines agreed upon at the Mysore meeting.

I recognise that any decision in future in regard to remuneration must rest with the Municipal Council and all that the President could do would be to make a recommendation.

Sincerely yours,

(Sd) Gilbert J Fowler

Dr L C Coleman, M A , Ph D ,
Director of Agriculture in Mysore
B a n g a l o r e

JM

-Copy-

S E 118

Copy forwarded with compliments to Dr Fowler
for favor of information

(Sd) J J Mieldazies

SANITARY ENGINEER

S E 117

10-12th April, 1931

Dear Sir,

I happened to recall your intimation that Dr Fowler address the Mysore City Municipal Council on the formation of Activated Compost from a combination of street-rubbish and night-soil and on questioning Dr Fowler regarding the matter, he informed me that he will be very willing to come to Mysore for this purpose at any time you suggest Dr Fowler is awaiting some lantern slides, illustrating the process as carried out at Cawnpore I am sure that his address would be most enlightening to the members of the Council

You will recall that I had given Dr Fowler full credit for the development of this process and it is no more than fair that he should share any profits derived from the process As the process is not patented by Dr Fowler, it would be impossible for him to collect any royalties on the process, but I would suggest that he be retained as a technical adviser on a salary commensurate with the profits to be derived by the municipality I am sure that you and he could arrive at some satisfactory arrangement In the meantime, I shall await an intimation from you as to the most advisable time for Dr Fowler to deliver his address

Dr- Fowler has taken a keen interest in the progress of the work at Mysore and is very enthusiastic over the interest shown by Dr Coleman As the future of the work will depend to a large extent, upon Government's sanction for Dr Coleman's Experimental Farm near Mandya, I believe it would be advisable to approach the Chief Engineer of the Krishnarajasagara Works on this matter Dr Fowler and I intend seeing Mr Seshachar at the earliest opportunity

After all the final success of the Krishnaraja-sagara Works will depend upon the crops raised under the irrigation system and anything which would tend to increase the yield from the areas under cultivation would be well worth consideration I believe that if this were explained to the Dewan that we could be assured of his support

Sincerely yours,

(Sd) J J Mieldazies

ROCKEFELLER FOUNDATION SANITARY ENGINEER

T G Rama Iyer, Esq , B A
President,
Municipal Council,
M Y S O R E

D A T A
concerning the
VALUE of N I T R O G E N
in Activated Sludge,
Activated Compost and
in Effluent from
Activated Sludge tanks

ESTIMATES OF QUANTITIES AND VALUES OF
NITROGEN RECOVERABLE AS ACTIVATED SLUDGE
FROM THE SEWAGE OF A POPULATION OF 100,000

From fundamental calculations 100,000 population should yield 50 tons of insoluble Nitrogen, which is equivalent to 1,000 tons of Activated Sludge containing 5% Nitrogen

Actual measurements at Nagpur gave a yield of dry sludge equivalent to 1800 tons per 100,000 population

A yield of 1500 tons of dry sludge from 100,000 population may therefore be safely assumed

The following price per ton of Activated Sludge is based on prices actually obtained or estimated by various authorities

Value estimated by Sir John Russell Director of Rothamsted Experimental Station	Rs 45/-
Actual sale price at works, obtained by Municipality of Milwaukee	45/-
Price including carriage offered by Director of Agriculture, Mysore	45/-
Value deduced from actual crop returns (sugar-cane) in Mysore State	80/-

On the basis of the foregoing figures a round value of Rs 50/- per ton may be safely accepted

For a town of 100,000 population, a gross income of Rs 75,000 may therefore be anticipated

The net income will depend on how far away the market for the sludge is situated, and on the cost of drying

DATA giving cost of ACTIVATED COMPOST to
DEPARTMENT OF AGRICULTURE, MYSORE STATE
and its value in terms of Crop Return

Cost of Compost delivered at Mandya (Government Sugar Farm)

A	<u>Without Railway Co's Concession</u>	Rs	As
	Price per ton at Mysore City Sewage Works	3	8
	Railway Freight	2	4
	Cartage	2	10
	Total cost per ton	8	6
B	<u>With Railway Co's Concession</u> (shared with Municipality)	Rs	As
	Price per ton at Mysore City Sewage Works	3	11
	Railway Freight	1	12
	Cartage	2	9
	Total cost per ton	8	0

Yield of Cane at Mandya

All plots were manured with Ammonium Sulphate (5 cwt to acre) Phosphatic manure (45-50 lbs P_2O_5 per acre) together with the customary quantity of ground-nut cake. The Experimental plots received in addition 3 tons per acre of Activated Compost.

The following results were obtained in tons of cane per acre -

<u>Period</u>	<u>Without Compost</u>	<u>With Compost</u>
7 months	33	37
9 "	42	44
11 "	48	54

An additional yield of 6 tons of cane per acre was thus obtained by the use of Activated Compost.

1 ton of cane at Mandya Farm is valued at Rs 10/-
The cost of transport of 6 tons may be taken at Rs 10/-
giving a sum of Rs 50/- per acre, obtained by the use of
3 tons of Compost costing Rs 24/-
There is thus a profit of say Rs 25/- per acre

The total quantity of Compost supplied by the Mysore Municipality to the Agricultural Department in two years is sufficient to manure say 1,000 acres, representing a profit to the Agricultural Department of Rs 25,000/-

Since the profit to the Agricultural Department per ton of Compost (costing Rs 8/- per ton) amounts to a further Rs 8/- per ton, the actual value of a ton of Compost containing 1% of Nitrogen, on the basis of crop returns is Rs 16/-

Activated Sludge produced by the oxidation of nightsoil in the Activated Sludge Treatment Tanks, and consequently of similar or greater agricultural value and containing at least 5% of Nitrogen, thus may be taken to be worth Rs 80/- per ton

VALUE OF NITROGEN IN SEWAGE
EFFLUENT FROM POPULATION OF 100,000

At 10 gallons per head, 100,000 of population yields
1 million gallons of effluent per day

1 Part Nitrogen per 100,000

$= \frac{1}{22.4}$ tons per million gallons

= 1 cwt Nitrogen per day

= $\frac{1}{4}$ ton Ammonium Sulphate per day

= 90 tons Ammonium Sulphate per annum

= £600 per annum (with Ammonium Sulphate at £7-0-0
per ton)

= Rs 8,000/- per annum (exclusive of value of
effluent as irrigation water)

DATA with reference to ACTIVATED COMPOST made
from Nightsoil and Towns' Refuse by the
Municipality of Mysore

<u>Year</u>	<u>Output</u>	<u>Realisations</u>	<u>Working Expenses</u>	<u>Gross Profit</u>
1931-32	1800	Rs 3902-4-0	Rs 2196-0-0	Rs 1706-4-0
1932-33	2400	Rs 6987-4-0	Rs 2596-0-0	Rs 4391-4-0

With a possible output of 3,000 tons per annum a
gross profit of Rs 5,000/- per annum may be expected

The above figures is the profit obtainable when selling
to the Agricultural Department at Rs 3/11 per ton, the price
given by the Department for compost containing on an average
1% of Nitrogen

G J F

January 8th 1934